



Safety Data Sheet (SDS)

Revision / Review Date: 3/28/15

1. Chemical Product and Company Identification

Product Name:	BT 2203
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Not available
Technical Name:	Talc
Synonyms:	steatite, soapstone.
Molecular Formula:	3MgO.4SiO2.H2O
Molecular Weight via GPC, Mn:	Not available
Product Use:	Process Aids, Functional mineral for use in paper, paints, ceramics, plastic, personal care, food.
OSHA Status:	Not available
CAS No:	14807-96-6, 1318-59-8, 16389-88-1, 83897-85-2
REACH Registration No:	Exempted in accordance with Annex V.7 .

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

These products do not meet the criteria defined in the Regulation EC 1272/2008 and in the Directive 67/548/EC. These products should be handled with care to avoid dust generation.

Classification EU (67/548/EC): No classification.

Regulation EC 1272/2008: No classification.

Label element according to Regulation (EC) No 1272/2008:

Pictogram: None.

Signal word: None.

Hazard statement: None.

Precautionary statements: None.

Other hazards: This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

<u>Warning:</u>	Combustible liquid and vapor.
<u>Most important symptoms and effects both acute and delayed:</u>	Symptoms of acute accidental exposure would be non-specific and similar to those of a massive inhalation of any dust without toxic effects. These symptoms may include coughing, expectoration, sneezing, and difficulty in breathing due to upper respiratory tract irritation.
<u>Primary Routes of Entry:</u>	Eyes and skin.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	The repeated overexposure can develop a benign pneumoconiosis, known as talcosis, which can cause respiratory problems and lung complications. Smoking and concomitant diseases might impose an additional pulmonary burden which may alter the course of the pneumoconiosis
<u>Eye Contact:</u>	Can cause temporary discomfort and irritation if accidentally introduced into the eye.
<u>Skin Contact:</u>	Workers who suffers from dermatitis or are susceptible to irritation and dry skin.
<u>Ingestion:</u>	Can cause irritation to the digestive tract.
<u>Inhalation:</u>	Can cause irritation to the respiratory tract.
<u>HMIS Hazard Ratings:</u>	Not available.
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.
<u>Principal Hazardous Components:</u>	Not available.

3. Composition / Information on Ingredients

<u>Main constituents:</u>	IMI Fabi Talc BT is natural associations of talc, chlorite, dolomite and magnesite.
<u>Impurities:</u>	These products do not contain any classified impurity.

Main constituents	EINECS	CAS.	Amount (%)
Talc	238-877-9	14807-96-6	98%
Chlorite	215-285-9	1318-59-8	1%
Dolomite	240-440-2	16389-88-1	0.5%
Magnesite	208-915-9	546-93-0	0.5%

4. First Aid Measures

Inhalation:

No special first aid measures. Remove to fresh air and get medical attention in case of serious respiratory problems.

Eyes:

Rinse with copious quantities of water and seek medical attention if irritation persists.

Skin:

No special first aid measures necessary. Usually of no general concern; broken skin can be cleansed with mild soap and water; if irritation or redness develops and persists, seek medical attention.

Ingestion:

No first aid measures required.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

All extinguishing media can be used. Water Spray, Dry Chemical, Carbon Dioxide CO₂, Foam.

Special Fire Fighting Procedures:

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

Hazardous Combustion Products:

No hazards product.

Unusual fire and explosion hazards:

None known.

6. Accidental Release Measures

Steps to be taken in case material is spilled:

Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation. Dry product should be cleaned with a shovel or vacuum cleaner while wearing personal protective equipment in compliance with national legislation. Washing the floor with water is not recommended

since it may cause the floor to become slippery. However, if talc is already wet, and only in this case, the floor should be thoroughly flushed with water to remove all slipperiness.

Environmental Disposal Information:

The product is environmental safe and cause no major concerns. it is not provided because the substance, not classified as toxic, exists as natural mineral and it is widespread in the soil.

Waste Disposal:

Reclaim or dispose of in accordance with local, state, and federal regulations.

7. Handling and Storage:

Empty Containers:

Not available.

Precautions to be taken in handling:

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.

Storage:

Keep the product dry and in closed containers.

8. Exposure Controls / Personal Protection

Exposure Controls:

Follow workplace regulatory exposure limits for all types of airborne dust. For the national regulations about the Occupational Exposure Limit (OEL) of talc powder.

Respiratory Protection:

In case of prolonged overexposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation.

Ventilation:

If current ventilation practices are non-adequate in maintaining airborne concentrations of talc below the TLV (see also point 15 of the present document), additional ventilation or local exhaust systems may be required.

Hand Protection:

Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.

Eye Protection:

Wear safety glasses with side-shields in circumstances where there is a risk of dust generation which could lead to mechanical irritation of the eye.

Skin and Body Protection:

Wear impervious clothing.

Appropriate engineering controls:

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep

airborne levels below specified exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures, e.g., by isolating personnel from dusty areas. Remove and wash soiled clothing.

9. Physical and Chemical Properties

<u>Physical Form:</u>	Solid
<u>Appearance & Odor:</u>	White, off white to light grey powder/ Odorless.
<u>Specific Gravity:</u>	Not available.
<u>pH – suspension of 10% of talc in water:</u>	8.5 – 9.0
<u>Softening Point, R&B:</u>	Not available.
<u>Solubility in Water:</u>	Negligible
<u>Melting Point:</u>	>1300°C
<u>Flash Point, TAG CC F:</u>	Not available.
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ I):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.
<u>Relative density:</u>	2.7 - 2.8 g/cm ³
<u>Vapor Density (Air ~ I):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	Not available.
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Decomposition temperature:</u>	>950°C
<u>Flammable Limits, %(V):</u>	Not flammable or explosive.

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	None known.
<u>Conditions to Avoid:</u>	None known.
<u>Hazardous Polymerization:</u>	None known.

11. Toxicological Information

Talc is neither orally nor cutaneously toxic. The IARC (International Agency for Research on Cancer) working group stated that there is no evidence of cancerogeny genotoxicity both on animals and on man. No teratogenic effects were found on animals after oral ingestion of talc (Food and Drugs Research Laboratories, 1973). Talc is not listed as a carcinogen by NTP (US National Toxicological Program) and not regulated as a carcinogen by OSHA (US Occupational Safety and Health Agency).

OSHA Permissible Exposure Limit: Not available.

ACGIH Threshold Limit Value: Not available.

Information on the likely route of exposure: Inhalation is the primary route of exposure. Repeated and prolonged exposure to large amount of talc dust might induce a mild pneumoconiosis. This is caused by lung overload exposure non specific particle effect, rather than a specific intrinsic fibrogenic activity of talc.

- (a) **Acute toxicity:** Based on available data, the classification criteria are not met.
- (b) **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- (c) **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- (d) **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
- (e) **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- (f) **Carcinogenicity:** Based on available data, the classification criteria are not met.
- (g) **Reproductive toxicity:** No data are available on this product.
- (h) **STOT – single exposure:** Based on available data, the classification criteria are not met.
- (i) **STOT – repeated exposure:** Based on available data, the classification criteria are not met.
- (j) **Aspiration hazard:** Based on available data, the classification criteria are not met.

12. Ecological Information

<u>Toxicity:</u>	No data are available on this product. No specific adverse effects known.
<u>Persistence and degradability:</u>	No data are available on this product. Product is an inorganic substance and therefore is not considered biodegradable.
<u>Bioaccumulative potential:</u>	Not relevant.
<u>Mobility in soil:</u>	Negligible.
<u>Results of PBT and vPvB assessment:</u>	Not relevant.
<u>Other adverse effects:</u>	No specific adverse effects known.

13. Disposal Considerations

<u>Waste from residue/unused products:</u>	Not a hazardous waste. Where possible, recycling is preferable to disposal; may be disposed of in compliance with local regulations.
<u>Packaging:</u>	Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorized waste management company. Recycling and disposal of packaging should be carried out in compliance with local regulations.

14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not regulated.
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not regulated.
<u>Canadian Transportation of Dangerous Goods:</u>	Not regulated.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not classified.
<u>UN number:</u>	Not relevant.
<u>UN proper shipping name:</u>	Not relevant.
<u>RID/ARD (Int. Regulation of Transport. Classification):</u>	Not classified
<u>HS-code (Customs Tariff code):</u>	252620 (TALC POWDER)
<u>BC Code (Code of Safe Practice for Solid Bulk Cargoes):</u>	Not hazardous.
<u>Packaging group:</u>	Not applicable.
<u>Environmental hazards:</u>	Not relevant.
<u>Special precautions for user:</u>	No special precautions.
<u>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:</u>	Not relevant.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

Chemical safety assessment: Exempted from REACH registration in accordance with Annex V.7.

National legislation/requirements: Occupational Exposure Limits (OEL) for talc powder, or where not considered, for a not specified inert powder: **Austria** 5 mg/m³, **Belgium** 2 mg/m³, **Bulgaria** 3 mg/m³, **Czech Republic** 2 mg/m³, **Denmark** 5 mg/m³, **Finland** 5 mg/m³, **France** 5 mg/m³, **Germany** 2 mg/m³, **Greece** 2 mg/m³, **Hungary** 2 mg/m³, **Ireland** 0.8 mg/m³, **Italy** 2 mg/m³, **Lithuania** 1 mg/m³, **Luxembourg** 2 mg/m³, **Netherlands** 0.25 mg/m³, **Norway** 2 mg/m³, **Poland** 1 mg/m³, **Portugal** 2 mg/m³, **Romania** 2 mg/m³, **Slovakia** 2 mg/m³, **Slovenia** 2 mg/m³, **Spain** 2 mg/m³, **Sweden** 1 mg/m³, **Switzerland** 2 mg/m³, **UK** 1 mg/m³.

International legislation/requirements:

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL. Contains <1% of respirable crystalline silica.

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Dangerous Substance Management Law: This product does not contain chemical substances regulated under DSML.

Waste Management Law: Ensure to dispose of in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws:

The following inventories have been investigated as to the publicly available portion of the lists:

MINERAL	CAS No.	EINECS (EU)	AICS (Australia)	CEPA (DSL/NDSL) (Canada)	KECI Korean Gazette No. (Korea)	ENCS ISHL/MITI (Japan)	IECSC (China)	PICCS (Philippines)	TSCA (USA)	Swiss ID No. (Switzerland)	NZIoC (New Zealand)
Talc	14807-96-6	238-877-9	Yes	Yes (DSL)	KE-32773	Yes*	Yes	Yes	Yes	G-6939	Yes
Chlorite	1318-59-8	215-285-9	No	Yes* (DSL)	KE-05489	Yes*	Yes	Yes	Yes*	Not listed	Yes
Dolomite	16389-88-1	240-440-2	Yes	Yes (DSL)	KE-13036	Yes*	Yes	Yes	Yes	G-8431	Yes
Magnesite	546-93-0	208-915-9	Yes	Yes (DSL)	KE-22672	Yes	Yes	Yes	Yes	G-7477	Yes

Yes*: There exists a broad category for naturally occurring chemicals, so these minerals are covered by definition, but not specifically listed.

<u>EPA TSCA status:</u>	Listed, (CAS #14807-96-6).
<u>EPA TSCA 12(B) Export notification:</u>	Not listed.
<u>CEPA Domestic substances list — DSL status:</u>	Listed.
<u>CEPA Non-Domestic substances list — NDSL:</u>	Not listed.
<u>Status Canadian WHMIS classification:</u>	D2b — Chronic inhalation hazard.
<u>California Proposition 65 Status:</u>	Not listed.
<u>State Right-to-Know:</u>	Massachusetts; New Jersey; Pennsylvania.
<u>Clean Air Act — ODC's:</u>	None.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.